# SPECIFICATIONS

## GENERAL

Rating input: DC 12V 9A

| | |
|---|---|
| Recording format: | DVCPRO |
| Recording tracks | Digital video |
| | Time code; Recorded in sub-code area |
| | Digital audio; 2 channels |
| | Cue signal; 1 track |
| | Control (CTL); 1 track |
| Tape speed: | 33.854 mm/sec. |
| Recording time: | 184 min. (with AJ-5P92LP tape) |
| | 66 min. (with AJ-P66MP tape) |
| Tape used: | 1/4" thin magnetic layer metal tape |
| FF/REW time: | Less than 3.5 min. (with AJ-5P92LP tape) |
| Editing accuracy: | ±0 frame (with time code) |
| Tape timer accuracy: | ±2 frame (per event when continuous CTL signal is used) |
| Servo lock time: | Less than 0.5 sec. |
| Ambient operating temperature: | 5°C to 40°C |
| Ambient operating humidity: | 10% to 85% (no condensation) |
| Dimensions: | 424 (W) × 120 (H) × 435 (D) mm |
| Weight: | 11.9 kg |

## VIDEO

### DIGITAL

| | |
|---|---|
| Sampling frequency: | Y; 13.5 MHz, |
| | $P_B$, $P_R$; 3.375 MHz |
| Quantization: | 8 bits |
| Error correction: | Reed-Solomon codes |

### ANALOGUE COMPOSITE IN/OUT

| | |
|---|---|
| Video band range: | Y; 25 Hz – 5.5 MHz (±1dB Typ) |
| DG: | Less than 6% |
| DP: | Less than 4.5° |
| Y/C delay: | Less than 30 nsec |
| K factor: | Less than 2% |
| Analogue composite input: | BNC× 2 (VTR1, VTR2), 75 ohms |
| REF video input: | BNC× 2 (loop-through), 75 ohms, automatic |
| Analogue composite output: | BNC× 2 (VTR1, VTR2), 75 ohms |
| Monitor output: | BNC× 2 (VTR1, VTR2), 75 ohms, superimpose ON/OFF |

### ANALOGUE COMPONENT IN/OUT

| | |
|---|---|
| Video band: | Y; 25 Hz – 5.5 MHz (±1 dB), 5.75 MHz (±3 dB) |
| | $P_B$, $P_R$; 25 Hz – 1.3 MHz (±1.0 dB) |
| S/N: | 53 dB |
| K factor: | Less than 2% |
| Analogue component input: | BNC× 6 (Y, $P_B$, $P_R$, VTR1, VTR2), 75 ohms |
| | Y connector is switched with the analogue composite input connector. |
| Analogue component output: | BNC× 6 (Y, $P_B$, $P_R$, VTR1, VTR2), 75 ohms |
| | Y connector is switched with the analogue composite output connector. |

### VIDEO OUTPUT SIGNAL (only for analogue composite signal)

| | |
|---|---|
| Video gain: | More than ±3dB |
| Chroma gain: | More than ±3dB |
| Chroma phase: | More than ±25° |
| Black level: | ±70 mV |
| H phase: | More than ±1.5µsec |
| SC phase (COARSE): | 360° |
| SC phase (FINE): | 90° |

# SPECIFICATIONS

## AUDIO

### DIGITAL

| | |
|---|---|
| Sampling frequency: | 48 kHz |
| Quantization: | 16 bits |
| Frequency response: | 20 Hz~20 kHz±1dB |
| Dynamic range: | More than 85dB (1kHz, emphasis off, "A" weighted) |
| Distortion rate: | Less than 0.1% (1kHz, emphasis off, standard level) |
| Crosstalk: | Less than –80dB (1kHz, between 2 channels) |
| Wow & flutter: | Under measurable value |
| Headroom: | 18 dB |
| Emphasis: | T1=50µsec/T2=15µsec (on/off enable) |

### ANALOGUE IN/OUT

| | |
|---|---|
| Analogue input (VTR1): | XLR× 2 (CH1, CH2), high impedance, 4/0/–20dBu |
| Analogue input (VTR2, CH1): | XLR, high impedance, 4/0/–20dBu |
| Analogue input (VTR2, CH2): | XLR, high impedance, 4/0/–20/–50dBu |
| Analogue output (VTR1): | XLR× 2 (CH1, CH2), low impedance, 4/0/–20dBu |
| Analogue output (VTR2): | XLR× 2 (CH1, CH2), low impedance, 4/0/–20dBu |

### MONITOR OUTPUT/HEADPHONES

| | |
|---|---|
| Monitor output (VTR1): | XLR× 1, low impedance, 0dBu, CH1/MIX/CH2 selectable |
| Monitor output (VTR2): | XLR× 1, low impedance, 0dBu, CH1/MIX/CH2 selectable |
| Headphones: | Mini-Stereo, variable level (Max. –20dBu), 8 ohms, VTR1/MIX/VTR2 selectable, CH1/MIX/CH2 selectable |

## OTHERS

| | |
|---|---|
| TC input: | BNC × 1 (switched to reference input connector through OUT position) |
| TC output: | BNC × 2 (switched to VTR1, VTR2, video monitor output connector) |
| Remote: | D-sub 9-pin (female) × 2 (VTR1, VTR2), RS-422A interface |
| EDL: | D-sub 9-pin (male), RS-232C interface |

## LCD MONITOR

| | |
|---|---|
| LCD display: | 6.5 inches TFT active matrix× 2 (VTR1, VTR2) |
| Brightness adjustment: | Variable volume× 2 (VTR1, VTR2) |
| Screen adjustment: | Colour, Contrast (separate left and right OSD menu) |
| Backlight switches: | Bright/Dark/Off (separate left and right switches) |

## SPEAKERS

Built-in speakers× 2, VTR1/MIX/VTR2 selectable, CH1/MIX/CH2 selectable

## DISPLAY TUBE (VTR1, VTR2 separately)

| | |
|---|---|
| Counter: | 8 digits (CTL/TC/UB selectable, total, remaining tape length) |
| Audio level meters: | 16 steps |
| Others: | Servo lock lamp, DV lamp, tape travel status indication, recording/recording inhibit lamp, Video/REF input lamp |

Weight and dimensions shown are approximate.
Specifications are subject to change without notice.